

# BLACK & GALVANIZED FITTINGS | MALLEABLE FITTINGS



**Coupling**  
150# Malleable Iron Threaded Fittings  
FIP x FIP

## BULK PART NUMBER

Size	Black	Galvanized	Inner	MC
1/8	521-200	511-200	60	720
1/4	521-201	511-201	40	480
3/8	521-202	511-202	50	300
1/2	521-203	511-203	60	240
3/4	521-204	511-204	50	150
1	521-205	511-205	25	75
1-1/4	521-206	511-206	32	64
1-1/2	521-207	511-207	18	72
2	521-208	511-208	12	24
2-1/2	521-209	511-209	-	16
3	521-210	511-210	-	12
4	521-211	511-211	-	7
6	521-213	511-213	2	4

## BARCODED PART NUMBER

Size	Black	Galvanized	Inner	MC
1/8	521-200HC	511-200HC	-	25
1/4	521-201HN	511-201HN	-	10
3/8	521-202HN	511-202HP	0	10 / 5
1/2	521-203HN	511-203HN	-	25
3/4	521-204HN	511-204HN	-	25
1	521-205HN	511-205HP	0	10 / 5
1-1/4	521-206HN	511-206HN	-	5
1-1/2	521-207HN	511-207HN	-	5
2	521-208HN	511-208HN	-	4
2-1/2	521-209BC	511-209BC	-	16
3	521-210BC	511-210BC	-	12
4	521-211BC	511-211BC	-	7
6	-	-	-	-



**Cap**  
150# Malleable Iron Threaded Fittings  
FIP

## BULK PART NUMBER

Size	Black	Galvanized	Inner	MC
1/8	521-400	-	100	1,200
1/4	521-401	511-401	75	900
3/8	521-402	511-402	60	720
1/2	521-403	511-403	75	450
3/4	521-404	511-404	40	240
1	521-405	511-405	35	140
1-1/4	521-406	511-406	25	100
1-1/2	521-407	511-407	25	75
2	521-408	511-408	18	54
2-1/2	521-409	511-409	-	24
3	521-410	511-410	-	16
4	521-411	511-411	-	10
6	521-413	511-413	-	5

## BARCODED PART NUMBER

Size	Black	Galvanized	Inner	MC
1/8	521-400HC	511-400HC	-	25
1/4	521-401HN	511-401HN	-	10
3/8	521-402HN	511-402HP	0	10 / 5
1/2	521-403HN	511-403HN	-	25
3/4	521-404HN	511-404HN	-	25
1	521-405HN	511-405HP	0	10 / 5
1-1/4	521-406HN	511-406HN	-	5
1-1/2	521-407HN	511-407HN	-	5
2	521-408HN	511-408HN	-	5
2-1/2	521-409BC	511-409BC	-	24
3	521-410BC	511-410BC	-	16
4	521-411BC	511-411BC	-	10
6	-	-	-	-



# FINISHES

## Black, Galvanized and Their Designed Applications

Our fittings, nipples and pipes are offered in three finishes: Black, Galvanized and Red Brass. Each finish offers unique application advantages over each other making them ideal for particular projects.

### BLACK FINISH

Accessories with black finish are generally used for lubricant oil, grease, LP gas, natural gas, gases (nitrogen, oxygen, etc.), steam and diesel. This finish is best suited for normal use where an inner rustproof protection is not required.

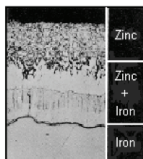
### GALVANIZED FINISH

Our Galvanized Finish offering is used for hot and cold water systems, refrigeration, sprinklers, compressed air, gasoline, diesel, alcohol, and some other applications where conducted fluid needs inner rustproof protection.

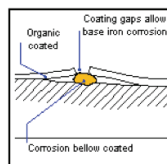
These fittings are manufactured by hot-dip galvanizing according to ASTM A-153. There are several ways to protect iron against rust, but none better than our hot-dip galvanizing process. Hot-dip galvanizing is one of the most efficient, practical and economical ways to protect iron and steel as zinc resists very well environment, air, and water corrosion for long lasting protection.

Galvanizing protects from corrosion the following ways:

- 1) It offers a long lasting isolating coverage made of metallic zinc and zinc alloy expertly applied to our iron.
- 2) Since zinc is bonded to iron as part of the iron-zinc combination, the protection works at a molecular level throughout the union. This serves as both a mechanical and corrosion protector.

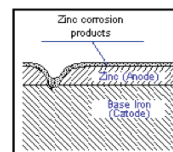


Zinc resists the environment's corrosive actions. Opposite to this, most of the organic coatings (paintings) are environmentally unstable and need to be renewed frequently. When a little failure occurs, corrosion starts and it begins to become larger under the protective coating.



Cathodic iron protection, provided by the metallic zinc coating, is factually based on corrosion being an electro-chemical process.

As zinc is a highly active electrochemical element, it tends to absorb oxygen before iron does it. Furthermore, this condition



creates additional protection against zinc hydroxide. This cathodic protection prevents corrosion to exposed parts, due to any discontinuity or mechanical damage on the coating.